

# ANALYTICAL ABSTRACTS

PUBLISHED BY

**The Society for Analytical Chemistry**

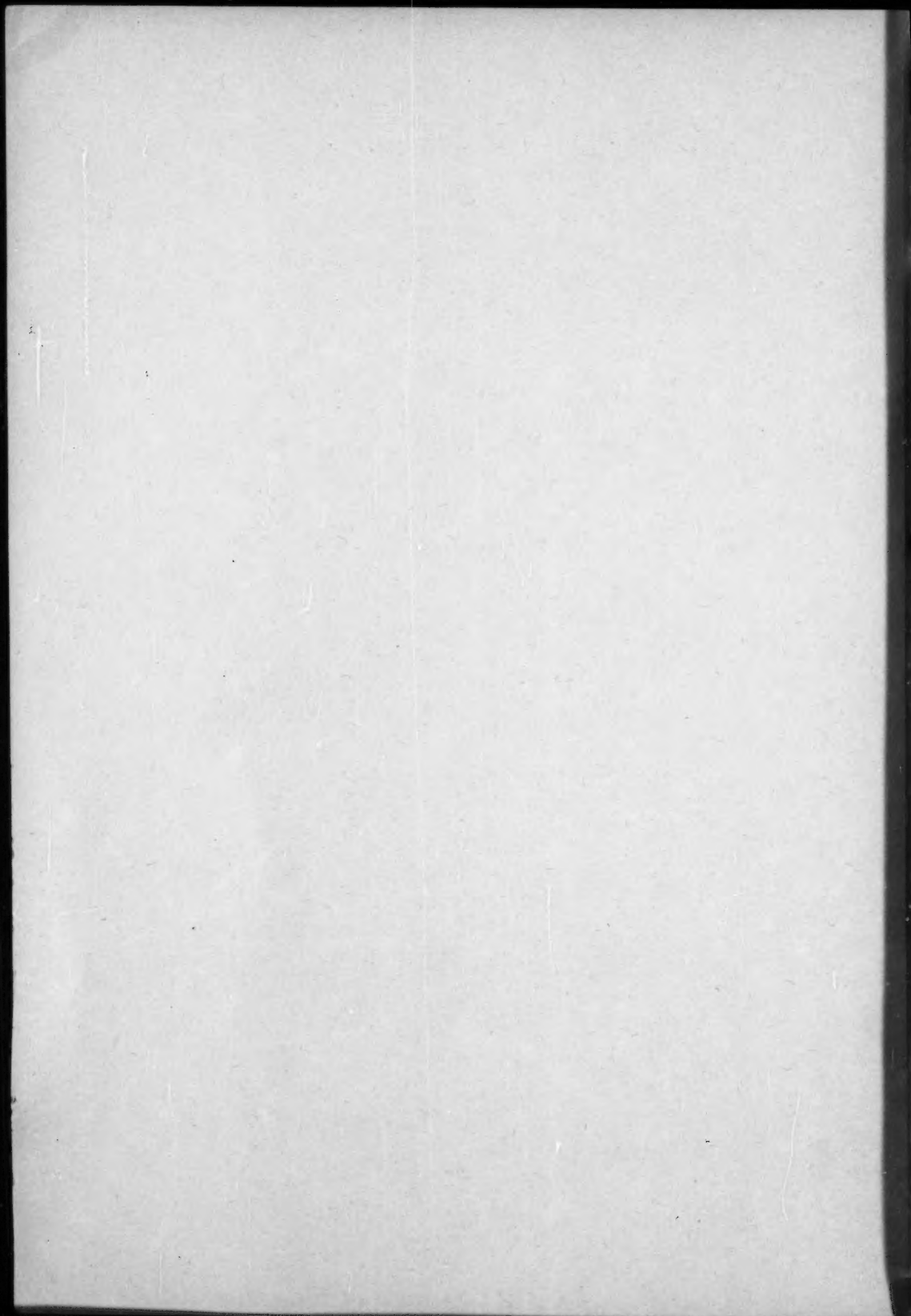
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INDEX TO VOLUME 15

1968

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**The Society for Analytical Chemistry**

A MONTHLY JOURNAL DEALING  
WITH ALL BRANCHES OF  
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**VOL. 15**

**1968**

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# ANALYTICAL ABSTRACTS

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# ANALYTICAL ABSTRACTS

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# ERRATA

Some errata subsequently published in the journals abstracted are included in the following list. When the initials of given names in the Author Index and in the abstracts do not agree, the Index should be assumed to be correct.

## VOL. 8, 1961

### Abstract

No.	Line	
2903	9, 10	for tetrahydroxyethylenediamine read tetrakis(hydroxyethyl)ethylenediamine

## VOL. 9, 1962

### Abstract

No.	Line	
5193	8	for $\text{SnCl}_2$ read $\text{SnBr}_2$

## VOL. 11, 1964

Index, p. xcvi, column 2, line 66, for **Novák, Jaroslav**, and **Janak, J.**, read **Novák, Josef** [Brno, Czechoslovakia] and **Janak, J.**

Index, p. xcvi, column 1, line 1, insert [Prague, Czechoslovakia] after **Novák, Josef**.

### Abstract

No.	Line	
4845	2	for <b>flavanol</b> read <b>flavonol</b>
4845	2	for B. A. Trusk read A. Trusk
4845	7	for <b>flavanol</b> read <b>flavonol</b>

Appropriate modifications should be made to the Author and Subject Indexes, Vol. 11, 1964.

## VOL. 12, 1965

### Abstract

No.	Line	
344	1	for B. F. Massimo read F. M. del Bianco
6625	2, 3	for F. Serrafina-Cessi read F. Serrafini-Cessi

Appropriate modifications should be made to the Author Index, Vol. 12, 1965.

## VOL. 13, 1966

Index, p. xcix, column 1, transpose the entry for **Krekhova, M. A.**, to follow the entry for **Krejci, M.**

Index, p. clxxi, column 1, line 3, for Jané read Jaffé

Index, p. ccxvi, entry for **Ethanolamine**, line 2, for 4190 read 4199

Index, p. ccxciii, column 2, line 36, for  $\alpha$ -(diantipyrinylmethyl)styrene read 3,3-diantipyrinyl-1-phenylpropene

Index, p. cccxix, entry for **Vanadium, reagents for**, line 7, for  $\beta$ -(diantipyrinylmethyl)styrene read 3,3-diantipyrinyl-1-phenylpropene

### Abstract

No.	Line	
6223	6	for $\beta$ -(Diantipyrinylmethyl)styrene read 3,3-Diantipyrinyl-1-phenylpropene

## VOL. 14, 1967

Index, p. clviii, entry for **Ferring, M. A.**, and **Wilkinson, B. G.**, lines 2 and 3, these lines should read composition of apples. IV. Radial distribution of constituents: significance in sampling for analysis, 394.

Index, p. clxvii, entry for **Püschel, R.**, line 2, insert [PAN] before in

Index, p. clxxi, entry for **Resnick, G. L.**, **Corbin, D.**, and **Sandberg, D. H.**, line 3, for detector read detection

Index, p. ccxxviii, column 1, lines 6 and 7, these lines should read radioactive pollutants in, filtration and sampling unit for, 2272.

Index, p. ccxlv, column 1, line 15, delete in,

Index, p. ccxlviii, column 2, line 42, delete also

Index, p. cclxi, column 2, line 23, for or read for

Index, p. cclxv, column 2, lines 69 and 70, these lines should read complexes of  $\text{Co}^{II}$  with *o*-benzoquinone dioxime, study of, 7349.

Index, p. cclxxviii, column 1, line 1, insert assay after cholinesterase

Index, p. cclxxxiii, line 47, for 4999 read 4499

Index, p. ccxiv, column 2, line 53, for 113 read 1113

Index, p. ccvii, column 2, line 2, insert ) after elements

Index, p. ccxxix, column 1, line 16, for **Pyridoxal**, 5-phosphate, read **Pyridoxal 5-phosphate**,

Index, p. ccxxx, column 2, line 29, delete complete line

Index, p. ccxxxii, column 1, line 50, for (1,5-dimethyl-1,3-cyclohexanedione) read (5,5-dimethyl-1,3-cyclohexanedione)

Index, p. ccxxxiii, column 2, line 31, for 4-nitroazobenzene-4'-carboxylic acid chloride read 4-(4-nitrophenylazo)benzoyl chloride

Index, p. ccxxxviii, column 2, line 6, insert chrom. after paper

Index, p. ccclviii, column 1, line 68, for Cl read O



**VOL. 14, 1967**

Index, p. cccliv, column 1, line 43, for **Triazen**, 1-aryl-3,3-bis(2-hydroxyethyl), read **Triazen**, 1-aryl-3,3-bis(2-hydroxyethyl)-,

**Abstract**

No.	Line	
562	4	for M. R. Dhaneswar read M. R. Dhaneshwar
1247	10, 11	for M. R. Dhaneswar read M. R. Dhaneshwar
2891	1	for <b>methylene-dioxy</b> read <b>3,4-methylenedioxyphenyl</b>
4858	3	for G. Forese read G. Farese

Appropriate modifications should be made to the Author Index, Vol. 14, 1967.

**VOL. 15, 1968**

**Abstract**

No.	Line	
18	3	for Pennsylvania State Univ., read Univ. of Pennsylvania,
47	5	for S. Gouri Bhowal read Gouri Bhowal
189	4	for $PtCl_6^{2-}$ read $PtCl_6^{2-}$
191	6, 7	these lines should read acidic polar solvents are of little use in the separation of such uncharged complexes of $Pt^{II}$ and $Pd^{II}$ , the
257	4	for B. Kontnik-Matecka read B. Matecka (née Kontnik)
279	17	for soln. of $CCl_4$ read soln. in $CCl_4$
327	14	delete buffer
327	15	insert buffer after phosphate
359	3	for I. Micev read I. Mitsev, and for L. Nedelčeva read L. Nedelcheva
482	2	for <b>surfaces</b> . Effect read <b>surfaces</b> . [Effect
759	2	for D. A. Lehman read D. A. Lehman
762		the abstractor's name is R. WASPE
904		the abstractor's name is A. BURWOOD-SMITH
941	14	for (7 ml read (7 ml)
1124	2	for <b>cyclohexylamine sulphamate</b> read <b>cyclohexylsulphamic acid</b>
1128	1	delete the comma after <b>Cotoran</b>
1128	2	insert a comma after <b>[fluometuron]</b>
1130		the abstractor's name is D. I. REES
1186	12	for soln.] read soln. [
1372	9	for $I/I_0$ vs. log. C read $I/I_0$ vs. log. C
1382	4	for him. Nauk. read khim. Nauk.
1505	16	replace this line by naphthalene (100 g) dissolved in dioxan (500 ml)],
1593	2	for Mlle Prum read N. Prum
1593	3	for M. Prum read A. Prum
1836	20	for Part XIII read Part XXIII
1836	21	for 1968, 15, read 1967, 14,
1870	2	for <b>2,2'-bipyridyl</b> read <b>di-(2-pyridyl)</b>
1905	23	for (up to 1:20 or Fe. read (up to 1:20) or Fe.
1916	14	transpose this line to follow Cool the in line 16.
1996	13	for $Va^{4+}$ read $V^{4+}$
2019	3	for D. P. Bendito read D. Pérez Bendito
2114	3	for C. A. Luchesi read C. A. Lucchesi
2231	14	for $\beta$ -amylose read $\beta$ -amylase
2254	8	for in Part II read previously
2254	16	for 1965, 12, 1375 read 1968, 15, 982
2341	9	delete complete line
2445	41	for A. Stinson read A. Stimson
2543	2	for <b>N-hydroxyethylenediamine-</b> read <b>N-(2-hydroxyethyl)ethylenediamine-</b>
2558	5	for <b>3</b> read <b>63</b>
2648	5	for P. K. de read P. K. De
2675	3	for A. A. Zhukovitskii read A. A. Zhukhovitskii
2703	4	for Yuriko Araki read Yuriko Araki (née Takabe)
2738	12	insert (after methylheptenone
2808	17	for melantonin read melatonin
2860	4	for R. C. Graver read R. C. Grauer
2898	3	for G. Scassellati Sforzolini read G. Scassellati-Sforzolini
2927	3	for H. Tomáková read H. Tománková
2986	2	for <b>its hydrazone</b> . read <b>the osazone of dehydroascorbic acid</b> .
2986	3	for <b>hydrazone</b> . read <b>osazone</b> .
2986	13, 16, 27, 39, 41	for hydrazone read osazone
2986	21	for <b>hydrazone of ascorbic acid</b> . read <b>osazone of dehydroascorbic acid</b> .
3062	12	for $0 < .3$ millirad read $< 0.3$ millirad
3173	7	for 1-[3-(1-methyl-2- read 2-[3-(1-methyl-2-
3336	2	for {1-[3-(1- read {2-[3-(1-
3379	4	for <b>2,4-dinitrophenylhydrazon</b> read <b>2,6-dinitrophenylhydrazon</b>

## Abstract

- | No.  | Line   |
|------|--|
| 3497 | 14 for phenol - H <sub>2</sub> O (4:1 plus read phenol - H <sub>2</sub> O (4:1) plus   |
| 3573 | 22 insert ) after ethyl ether  |
| 3589 | 12 for of read or  |
| 3608 | 10 for acetonitrile read acetonitrile  |
| 3641 | 1,2 for an aerobic read anaerobic  |
| 3769 | 11 for 10 <sup>4</sup> read 10 <sup>-1</sup>   |
| 3785 | 26 insert ) after radiation  |
| 3803 | 10 insert in before aqueous  |
| 3806 | 3 for S. U. Kreinkold read S. U. Kreingold   |
| 3832 | 3 for ore read use   |
| 3836 | 3, 4 these lines should read activation analysis. L. G. Nagy and E. Schiff (Budapesti Müszaki Egyetem, Fiz.-Kém. Tanszek.,       |
| 3858 | 2 for A. Morales read A. Morales B.  |
| 3862 | 11, 12 for arsen.azo-amino-ε-acid read arsenazo-amino-ε-acid   |
| 3895 | 10 for 3,3-diantipyrinyl-3-phenylpropene read 3,3-diantipyrinyl-1-phenylpropene  |
| 3961 | 3 for M. Pareira read M. Paraira   |
| 3987 | 10 for Li benzoate read Li benzoate  |
| 4069 | 3 for E.v.d.S. Lotz read E. van der S. Lotz  |
| 4114 | 3 for F. Mathijs read F. Matthijs  |
| 4121 | 8 for two-fractions read two sub-fractions   |
| 4208 | 1 for pharmacological analysis read the teaching of pharmacognosy  |
| 4333 | 9 for or read of   |
| 4359 | 20 insert a hyphen after (4-chlorophenyl)  |
| 4432 | 3 for W. Schwarz read W. Schwartz  |
| 4557 | 2 for K. Isslieb read K. Issleib   |
| 4558 | 16 for Kuznetrova read Kuznetsova  |
| 4581 | 16 for aq., NH <sub>4</sub> SCN read aq. NH <sub>4</sub> SCN,  |
| 4610 | 2 for N-hydroxyethylenediamine-NN'-N'-triacetic acid. read N-(2-hydroxyethyl)ethylene-diamine-NN'-N'-triacetic acid.             |
| 4610 | 9 for 0.01M-N-hydroxyethylene- read 0.01M-N-(2-hydroxyethyl)ethylene-  |
| 4633 | 11 this line should read the soln. becomes yellow. Titrate the unconsumed  |
| 4662 | 32 for Fe <sub>3</sub> <sup>+</sup> read Fe <sup>3+</sup>  |
| 4683 | 2 insert a comma before of   |
| 4754 | 13 for (0.7N-LiOH) - 0.3N-LiCl read (0.7N-LiOH - 0.3N-LiCl   |
| 4886 | 11 for 4964 read 4864  |
| 4886 | 13 for ECTA read EDTA  |
| 4997 | 11 for Acya read Acta  |
| 5006 | 7 for [14]N- read [14C]N-  |
| 5049 | 2 for Alista read Alistar  |
| 5143 | 2 for disc-micro electrophoresis read disc micro-electrophoresis   |
| 5310 | 17 for reagents) studied read reagents studied)  |
| 5518 | 7 delete ( before 'Cyanogum'   |
| 5583 | 3 insert of Great Britain after Pharmaceutical Society   |
| 5847 | 2, 3 these lines should read mination of copper, lead and bismuth. A. Morales B., F. Gonzales V., and F. Chizzini (Fac. Filos. y |
| 5848 | 5 for 1977 read 1967   |
| 6035 | 18 for (concn. 0.5μm) read (each 0.5μm)  |
| 6035 | 20 for (μm) read (each μm)   |
| 6113 | 8 for titric acid read citric acid   |
| 6180 | 15 insert radioactive after each   |
| 6410 | 2 for R. P. Ouellette read R. P. Ouellette   |
| 6476 | 81 for F. di Jeso read F. di Ieso  |
| 6476 | 83 for F. di Jeso read F. di Ieso  |
| 6476 | 104 for F. Matthys read F. Matthijs  |
| 6643 | 25 for 109 read 10 <sup>9</sup>  |
| 6758 | 10 for support read carrier  |
| 6977 | 2 for its osazone. read the osazone of dehydroascorbic acid.   |
| 7109 | 8 insert low before concn.   |
| 7114 | 24 for E. Constant read R. J. P. Constant  |
| 7114 | 77 for -. Boulet read R. Boulet  |
| 7130 | 1 insert Redox equilibria. III. before Locations   |
| 7311 | 22 insert For before S contents  |
| 7443 | 17 this line should read tion of creatinine from interfering substances is essential.  |
| 7529 | 3 insert of Great Britain after Society  |
| 7582 | 5 for France read Belgium  |
| 7700 | 3 for A. A. Zhukovitskil read A. A. Zhukhovitskii  |

# JOURNALS

The following list contains the names of journals (and their abbreviations) from which papers have been abstracted regularly during the year. Journals that have been omitted are those that contain only an occasional analytical paper, and a number of Russian journals from which translated abstracts have been published through the medium of *Referativnyi Zhurnal*.

The abbreviations, in italics, after the full names of the journals refer to the languages in which the journals are published.

<i>Acta chem. fenn.</i> .. .. .	<i>Acta Chemica Fennica</i> [Eng.]
<i>Acta chem. scand.</i> .. .. .	<i>Acta Chemica Scandinavica</i> [Eng.]
<i>Acta chim. hung.</i> .. .. .	<i>Acta Chimica Academiae Scientiarum Hungaricae</i> [Eng., Ger.]
<i>Acta pharmac. tox.</i> .. .. .	<i>Acta Pharmacologica et Toxicologica</i> [København] [Eng.]
<i>Acta pharm. hung.</i> .. .. .	<i>Acta Pharmaceutica Hungarica</i> [Hung.]
<i>Acta pharm. jugosl.</i> .. .. .	<i>Acta Pharmaceutica Jugoslavica</i> [Serbo-Croat]
<i>Acta pharm. suec.</i> .. .. .	<i>Acta Pharmaceutica Suecica</i> [Eng.]
<i>Acta Pol. pharm.</i> .. .. .	<i>Acta Poloniae Pharmaceutica</i> [Pol.]
<i>Afinidad</i> .. .. .	<i>Afinidad</i> [Span.]
<i>Agric. biol. Chem.</i> .. .. .	<i>Agricultural and Biological Chemistry</i> [Tokyo] [Eng.]
<i>Am. Dyestuff Reprtr</i> .. .. .	<i>American Dyestuff Reporter</i> [Eng.]
<i>Am. ind. Hyg. Ass. J.</i> .. .. .	<i>American Industrial Hygiene Association Journal</i> [Eng.]
<i>Am. J. clin. Path.</i> .. .. .	<i>American Journal of Clinical Pathology</i> [Eng., Fr.]
<i>Am. Miner.</i> .. .. .	<i>American Mineralogist</i> [Eng.]
<i>Anal. științ. Univ. Al. I. Cuza</i> .. .. .	<i>Analele Științifice de Universității 'Al. I. Cuza' din Iași</i> [Fr., Ger., Rom.]
<i>Analyst, Lond.</i> .. .. .	<i>Analyst</i> [Eng.]
<i>Analyt. Biochem.</i> .. .. .	<i>Analytical Biochemistry</i> [Eng.]
<i>Analyt. Chem.</i> .. .. .	<i>Analytical Chemistry</i> [Eng.]
<i>Analytica chim. Acta</i> .. .. .	<i>Analytica Chimica Acta</i> [Eng., Fr., Ger.]
<i>Analyzer</i> .. .. .	<i>Analyzer</i> [Eng.]
<i>An. Asoc. quim. argent.</i> .. .. .	<i>Anales de la Asociación Química Argentina</i> [Span.]
<i>An. Bromat.</i> .. .. .	<i>Anales de Bromatologia</i> [Span.]
<i>Angew. Chem., int. Edn</i> .. .. .	<i>Angewandte Chemie, International Edition</i> [Eng.]
<i>Annali Chim.</i> .. .. .	<i>Annali di Chimica</i> [Ital.]
<i>Annali Ist. sup. Sanità</i> .. .. .	<i>Annali dell'Istituto superiore Sanità</i> [Eng., Fr., Ital.]
<i>Annls Biol. clin.</i> .. .. .	<i>Annales de Biologie Clinique</i> [Fr.]
<i>Annls Falsif. Expert. chim.</i> .. .. .	<i>Annales des Falsifications et de l'Expertise Chimique</i> [Fr.]
<i>Annls pharm. fr.</i> .. .. .	<i>Annales Pharmaceutiques Françaises</i> [Fr.]
<i>Annls Univ. Mariae Curie-Skłodowska</i> .. .. .	<i>Annales Universitatis Mariae Curie-Skłodowska</i> [Pol.]
<i>An. R. Soc. esp. Fis. Quim., B</i> .. .. .	<i>Anales de la Real Sociedad Española de Física y Química, B</i> [Span.]
<i>Antibiotiki</i> .. .. .	<i>Antibiotiki</i> [Russ.]
<i>Appl. Optics</i> .. .. .	<i>Applied Optics</i> [Eng.]
<i>Appl. Spectrosc.</i> .. .. .	<i>Applied Spectroscopy</i> [Eng.]
<i>Arch. EisenhüttWes.</i> .. .. .	<i>Archiv für das Eisenhüttenwesen</i> [Ger.]
<i>Arch. Pharm., Berl.</i> .. .. .	<i>Archiv der Pharmazie (und Berichte der Deutschen pharmazeutischen Gesellschaft)</i> [Ger.]
<i>Archs Biochem. Biophys.</i> .. .. .	<i>Archives of Biochemistry and Biophysics</i> [Eng.]
<i>Arch. Tox.</i> .. .. .	<i>Archiv für Toxikologie</i> [Ger.]
<i>Ark. Kemi</i> .. .. .	<i>Arkiv för Kemi</i> [Eng.]
<i>Armyan. khim. Zh.</i> .. .. .	<i>Armysanskii Khimicheskii Zhurnal</i> [Russ.]
<i>Arzneimittel-Forsch.</i> .. .. .	<i>Arzneimittel-Forschung</i> [Ger.]
<i>At. Absorption Newsletter</i> .. .. .	<i>Atomic Absorption Newsletter</i> [Eng.]
<i>Atomn. Énerg.</i> .. .. .	<i>Atomnaya Énergiya</i> [Russ.]
<i>Atmosph. Environment</i> .. .. .	<i>Atmospheric Environment</i> [Eng.]
<i>Aust. J. Chem.</i> .. .. .	<i>Australian Journal of Chemistry</i> [Eng.]
<i>Aust. J. exp. Biol. med. Sci.</i> .. .. .	<i>Australian Journal of Experimental Biology and Medical Science</i> [Eng.]
<i>Azerb. khim. Zh.</i> .. .. .	<i>Azerbaidzhanskii Khimicheskii Zhurnal</i> [Russ.]
<i>Beitr. Tabakforsch.</i> .. .. .	<i>Beiträge zur Tabakforschung</i> [Eng., Ger.]
<i>Biochem. biophys. Res. Commun.</i> .. .. .	<i>Biochemical and Biophysical Research Communications</i> [Eng.]
<i>Biochem. J.</i> .. .. .	<i>Biochemical Journal</i> [Eng.]
<i>Biochim. appl.</i> .. .. .	<i>Biochimica Applicata</i> [Ital.]
<i>Biochim. biophys. Acta</i> .. .. .	<i>Biochimica et Biophysica Acta</i> [Eng.]
<i>Biokhimiya</i> .. .. .	<i>Biokhimiya</i> [Russ.]
<i>B.I.S.R.A. Open Rep.</i> .. .. .	<i>B.I.S.R.A. Open Report</i> [Eng.]
<i>Boll. chim.-farm.</i> .. .. .	<i>Bollettino Chimico Farmaceutico</i> [Ital.]
<i>Boll. Laboratori chim. prov.</i> .. .. .	<i>Bollettino dei Laboratori Chimici Provinciali</i> [Ital.]
<i>Boll. Soc. ital. Biol. sper.</i> .. .. .	<i>Bollettino della Società Italiana di Biologia Sperimentale</i> [Ital.]
<i>Brauwissenschaft</i> .. .. .	<i>Brauwissenschaft</i> [Ger.]
<i>Brennst.-Chem.</i> .. .. .	<i>Brennstoff-Chemie</i> [Ger.]
<i>Br. J. appl. Phys.</i> .. .. .	<i>British Journal of Applied Physics</i> [Eng.]
<i>Br. med. J.</i> .. .. .	<i>British Medical Journal</i> [Eng.]

<i>Br. Plast.</i> .. .. .	British Plastics [Eng.]
<i>Bul. Inst. politeh. Iași</i> .. .. .	Buletinul Institutului Politehnic din Iași [Rom.]
<i>Bull. Agr. Chem. Insp. Stn</i> .. .. .	Bulletin of the Agricultural Chemical Inspection Station [Jap.]
<i>Bull. chem. Soc. Japan</i> .. .. .	Bulletin of the Chemical Society of Japan [Eng.]
<i>Bull. envir. Contam. Toxicol.</i> .. .. .	Bulletin of Environmental Contamination and Toxicology [Eng.]
<i>Bull. Narcot.</i> .. .. .	Bulletin on Narcotics [Eng.]
<i>Bull. Soc. Chim. biol.</i> .. .. .	Bulletin de la Société de Chimie Biologique [Fr.]
<i>Bull. Soc. chim. Fr.</i> .. .. .	Bulletin de la Société Chimique de France [Fr.]
<i>Bull. Trav. Soc. Pharm. Lyon</i> .. .. .	Bulletin des Travaux de la Société de Pharmacie de Lyon [Fr.]
<i>Can. J. Biochem.</i> .. .. .	Canadian Journal of Biochemistry [Eng.]
<i>Can. J. Chem.</i> .. .. .	Canadian Journal of Chemistry [Eng.]
<i>Can. J. pharm. Sci.</i> .. .. .	Canadian Journal of Pharmaceutical Science [Eng.]
<i>Can. Spectrosc.</i> .. .. .	Canadian Spectroscopy [Eng., Fr.]
<i>Cereal Chem.</i> .. .. .	Cereal Chemistry [Eng.]
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<i>Chemist Analyst</i> .. .. .	Chemist-Analyst [Eng.]
<i>Chemistry, Taipei</i> .. .. .	Chemistry, Taipei [Chin.]
<i>Chem. pharm. Bull., Tokyo</i> .. .. .	Chemical & Pharmaceutical Bulletin [Eng., Ger.]
<i>Chem. Tech., Berl.</i> .. .. .	Chemische Technik [Ger.]
<i>Chem. Ind.</i> .. .. .	Chemistry & Industry [Eng.]
<i>Chim. analyt.</i> .. .. .	Chimie Analytique [Fr.]
<i>Chimia</i> .. .. .	Chimia [Eng., Fr., Ger.]
<i>Chimica Ind., Milano</i> .. .. .	Chimica e l'Industria [Ital.]
<i>Clin. Chem.</i> .. .. .	Clinical Chemistry [Eng.]
<i>Clinica chim. Acta</i> .. .. .	Clinica Chimica Acta [Eng., Fr., Ger.]
<i>Colln Czech. chem. Commun.</i> .. .. .	Collection of Czechoslovak Chemical Communications [Eng., Ger.]
<i>Column</i> .. .. .	Column: W. G. Pye Gas Chromatography Bulletin [Eng.]
<i>C. r. Acad. bulg. Sci.</i> .. .. .	Compte Rendu de l'Académie Bulgare des Sciences [Eng., Fr., Ger.]
<i>C. r. hebdom. Séanc. Acad. Sci., Paris</i> .. .. .	Compte Rendu Hebdomadaire des Séances de l'Académie des Sciences [Fr.]
<i>Croat. chem. Acta</i> .. .. .	Croatia Chemica Acta [Eng., Ger.]
<i>Čslhá Farm.</i> .. .. .	Československá Farmacie [Czech., Slovak]
<i>Curr. Sci.</i> .. .. .	Current Science [Eng.]
<i>Diss. Abstr.</i> .. .. .	Dissertation Abstracts [Eng.]
<i>Dissnes pharm., Warsz.</i> .. .. .	Dissertationes Pharmaceuticae [Pol.]
<i>Dokl. Akad. Nauk SSSR</i> .. .. .	Doklady Akademii Nauk SSSR [Russ.]
<i>Dokl. Akad. Nauk uzbe. SSR</i> .. .. .	Doklady Akademii Nauk Uzbekskoi SSR [Russ.]
<i>Double Liaison</i> .. .. .	Double Liaison [Fr.]
<i>Dt. ApothZig</i> .. .. .	Deutsche Apotheker-Zeitung [Ger.]
<i>Dt. LebensmittlRdsch.</i> .. .. .	Deutsche Lebensmittel-Rundschau [Ger.]
<i>Dt. Z. ges. gerichtl. Med.</i> .. .. .	Deutsche Zeitschrift für die gesamte gerichtliche Medizin [Ger.]
<i>Econ. Geol.</i> .. .. .	Economic Geology [Eng.]
<i>Eczacilik Bül.</i> .. .. .	Eczacilik Bülteni [Turk.]
<i>Envir. Sci. Technol.</i> .. .. .	Environmental Science Technology [Eng.]
<i>Enzymologia</i> .. .. .	Enzymologia [Eng.]
<i>Erdöl Kohle</i> .. .. .	Erdöl und Kohle, Erdgas, Petrochemie [Ger.]
<i>Experientia</i> .. .. .	Experientia [Eng., Ger.]
<i>Farbe Lack</i> .. .. .	Farbe und Lack [Ger.]
<i>Farmacja pol.</i> .. .. .	Farmacja Polska [Pol.]
<i>Farmaco, Ed. prat.</i> .. .. .	Farmaco, Edizione Pratica [Fr., Ital.]
<i>Farmaco, Ed. scient.</i> .. .. .	Farmaco, Edizione Scientifica [Ital.]
<i>Farm. Obzor</i> .. .. .	Farmaeutický Obzor [Czech]
<i>Faserforsch. TextTech.</i> .. .. .	Faserforschung und Textiltechnik [Ger.]
<i>Fette Seifen AnstrMittel</i> .. .. .	Fette, Seifen, Anstrichmittel [Ger.]
<i>Flame Notes</i> .. .. .	Flame Notes [Eng.]
<i>Fuel, Lond.</i> .. .. .	Fuel [Eng.]
<i>Geochim. cosmochim. Acta</i> .. .. .	Geochimica et Cosmochimica Acta [Eng.]
<i>Geokhimiya</i> .. .. .	Geokhimiya [Russ.]
<i>Getreide Mehl</i> .. .. .	Getreide und Mehl [Ger.]



<i>Gidrokhim. Mater.</i> .. .. .	Gidrokhimicheskie materialy [Russ.]
<i>Gig. Sanit.</i> .. .. .	Gigiena i Sanitariya [Russ.]
<i>G-I-T</i> .. .. .	Glas-Instrumenten-Technik [Eng., Ger.]
<i>Grasas Aceit.</i> .. .. .	Grasas y Aceites [Span.]
<i>Helv. chim. Acta</i> .. .. .	Helvetica Chimica Acta [Fr., Ger.]
<i>Herba pol.</i> .. .. .	Herba polonica [Pol.]
<i>Hilger J.</i> .. .. .	Hilger Journal [Eng.]
<i>Hlth Phys.</i> .. .. .	Health Physics [Eng.]
<i>Hoppe-Seyler's Z. physiol. Chem.</i> .. .. .	Hoppe-Seyler's Zeitschrift für physiologische Chemie [Ger.]
<i>Hutn. Listy</i> .. .. .	Hutnické Listy [Czech]
<i>Indian J. appl. Chem.</i> .. .. .	Indian Journal of Applied Chemistry [Eng.]
<i>Indian J. Biochem.</i> .. .. .	Indian Journal of Biochemistry [Eng.]
<i>Indian J. Chem.</i> .. .. .	Indian Journal of Chemistry [Eng.]
<i>Indian J. Dairy Sci.</i> .. .. .	Indian Journal of Dairy Science [Eng.]
<i>Indian J. Pharm.</i> .. .. .	Indian Journal of Pharmacy [Eng.]
<i>Indian J. pure appl. Phys.</i> .. .. .	Indian Journal of Pure and Applied Physics [Eng.]
<i>Indian J. Technol.</i> .. .. .	Indian Journal of Technology [Eng.]
<i>Industrie agrarie</i> .. .. .	Industrie agrarie [Ital.]
<i>Industrie chim. belge</i> .. .. .	Industrie Chimique Belge [Flem., Fr.]
<i>Infcción Quím. analít. pura apl. Ind.</i> .. .. .	Información de Química Analítica, Pura y Aplicada a la Industria [Span.]
<i>Instrums Control Syst.</i> .. .. .	Instruments & Control Systems [Eng.]
<i>Int. J. appl. Radiat. Isotopes</i> .. .. .	International Journal of Applied Radiation and Isotopes [Eng., Ger.]
<i>Int. Sug. J.</i> .. .. .	International Sugar Journal [Eng.]
<i>Israel J. Chem.</i> .. .. .	Israel Journal of Chemistry [Eng.]
<i>Ital. J. Biochem.</i> .. .. .	Italian Journal of Biochemistry [Eng.]
<i>Izv. Akad. Nauk kazakh. SSR, Ser. khim. Nauk</i> .. .. .	Izvestiya Akademii Nauk Kazakhskoi SSR, Seriya Khimicheskaya [Russ.]
<i>Izv. Akad. Nauk SSSR, Ser. khim.</i> .. .. .	Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya [Russ.]
<i>Izv. sib. Otdel. Akad. Nauk SSSR</i> .. .. .	Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR [Russ.]
<i>Izv. tomsk. politekh. Inst.</i> .. .. .	Izvestiya Tomskogo Politehnicheskogo Instituta imeni S.M. Kirova [Russ.]
<i>Izv. v'yssh. ucheb. Zaved., Khim. khim. Tekhnol.</i> .. .. .	Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya [Russ.]
<i>J. agric. Fd Chem.</i> .. .. .	Journal of Agricultural and Food Chemistry [Eng.]
<i>J. Air Pollut. Control Ass.</i> .. .. .	Journal of the Air Pollution Control Association [Eng.]
<i>J. Am. Oil Chem. Soc.</i> .. .. .	Journal of the American Oil Chemists' Society [Eng.]
<i>J. Am. Wat. Wks Ass.</i> .. .. .	Journal of the American Water Works Association [Eng.]
<i>Japan Analyst</i> .. .. .	Japan Analyst [Jap.]
<i>J. appl. Chem., Lond.</i> .. .. .	Journal of Applied Chemistry [Eng.]
<i>J. appl. Phys.</i> .. .. .	Journal of Applied Physics [Eng.]
<i>J. Ass. off. analyt. Chem.</i> .. .. .	Journal of the Association of Official Analytical Chemists [Eng.]
<i>J. Ass. publ. Analysts</i> .. .. .	Journal of the Association of Public Analysts [Eng.]
<i>J. biol. Chem.</i> .. .. .	Journal of Biological Chemistry [Eng.]
<i>J. chem. Educ.</i> .. .. .	Journal of Chemical Education [Eng.]
<i>J. chem. Soc.</i> .. .. .	Journal of the Chemical Society, London [Eng.]
<i>J. chem. Soc. Japan, ind. Chem. Sect.</i> .. .. .	Journal of the Chemical Society of Japan, Industrial Chemistry Section [Jap.]
<i>J. chem. Soc. Japan, pure Chem. Sect.</i> .. .. .	Journal of the Chemical Society of Japan, Pure Chemistry Section [Jap.]
<i>J. Chin. chem. Soc., Taipei</i> .. .. .	Journal of the Chinese Chemical Society [Eng.]
<i>J. Chromat.</i> .. .. .	Journal of Chromatography [Eng., Fr., Ger.]
<i>J. Dairy Sci.</i> .. .. .	Journal of Dairy Science [Eng.]
<i>J. electroanalyt. Chem.</i> .. .. .	Journal of Electroanalytical Chemistry [Eng.]
<i>J. electrochem. Soc.</i> .. .. .	Journal of the Electrochemical Society [New York] [Eng.]
<i>Jena Rev.</i> .. .. .	Jena Review [Eng.]
<i>J. Endocr.</i> .. .. .	Journal of Endocrinology [Eng.]
<i>Jernkont. Annlr</i> .. .. .	Jernkontorets Annaler [Swed.]
<i>J. Fd Sci.</i> .. .. .	Journal of Food Science [Eng.]
<i>J. forens. Sci.</i> .. .. .	Journal of Forensic Sciences, U.S.A. [Eng.]
<i>J. forens. Sci. Soc.</i> .. .. .	Journal of the Forensic Science Society, U.K. [Eng.]
<i>J. Gas Chromat.</i> .. .. .	Journal of Gas Chromatography [Eng.]
<i>J. Indian chem. Soc.</i> .. .. .	Journal of the Indian Chemical Society [Eng.]
<i>J. inorg. Nucl. Chem.</i> .. .. .	Journal of Inorganic & Nuclear Chemistry [Eng.]
<i>J. Inst. Brew.</i> .. .. .	Journal of the Institute of Brewing [Eng.]
<i>J. Inst. Fuel</i> .. .. .	Journal of the Institute of Fuel [Eng.]
<i>J. Inst. Metals</i> .. .. .	Journal of the Institute of Metals [Eng.]
<i>J. Inst. Petrol.</i> .. .. .	Journal of the Institute of Petroleum [Eng.]
<i>J. Iron Steel Inst.</i> .. .. .	Journal of the Iron and Steel Institute [Eng.]
<i>J. Lab. clin. Med.</i> .. .. .	Journal of Laboratory and Clinical Medicine [Eng.]
<i>J. labelled Compounds</i> .. .. .	Journal of Labelled Compounds

<i>J. Lipid Res.</i> .. ..	Journal of Lipid Research [Eng.]
<i>Jl S. Afr. Inst. Min. Metall.</i> .. ..	Journal of the South African Institute of Mining and Metallurgy [Eng.]
<i>J. Oil Colour chem. Ass.</i> .. ..	Journal of the Oil and Colour Chemists' Association [Eng.]
<i>J. opt. Soc. Am.</i> .. ..	Journal of the Optical Society of America [Eng.]
<i>J. Paint Technol.</i> .. ..	Journal of Paint Technology [Eng.]
<i>J. Pharm. Belg.</i> .. ..	Journal de Pharmacie de Belgique [Fr.]
<i>J. Pharm. Pharmac.</i> .. ..	Journal of Pharmacy and Pharmacology [Eng.]
<i>J. pharm. Sci.</i> .. ..	Journal of Pharmaceutical Science [Eng.]
<i>J. pharm. Soc. Japan</i> .. ..	Journal of the Pharmaceutical Society of Japan [Jap.]
<i>J. polarogr. Soc.</i> .. ..	Journal of the Polarographic Society [Eng.]
<i>J. Polym. Sci., A</i> .. ..	Journal of Polymer Science
<i>J. prakt. Chem.</i> .. ..	Journal für praktische Chemie [Ger.]
<i>J. Proc. Instn Chem. India</i> .. ..	Journal and Proceedings of the Institution of Chemists [Eng.]
<i>J. Res. natn. Bur. Stand.</i> .. ..	Journal of Research of the National Bureau of Standards [Eng.]
<i>J. scient. Instrum.</i> .. ..	Journal of Scientific Instruments [Eng.]
<i>J. Sci. Fd Agric.</i> .. ..	Journal of the Science of Food and Agriculture [Eng.]
<i>J. Soc. cosmet. Chem.</i> .. ..	Journal of the Society of Cosmetic Chemists [Eng.]
<i>J. Soc. Leath. Trades Chem.</i> .. ..	Journal of the Society of Leather Trades' Chemists [Eng.]
<i>J. Wat. Pollut. Control Fed.</i> .. ..	Journal of the Water Pollution Control Federation [Eng.]
<i>Kemija Ind.</i> .. ..	Kemija u Industriji [Serbo-Croat]
<i>Klin. Wschr.</i> .. ..	Klinische Wochenschrift [Ger.]
<i>Kunststoff-Rdsch.</i> .. ..	Kunststoff-Rundschau [Ger.]
<i>Lab. Delo</i> .. ..	Laboratornoe Delo [Russ.]
<i>Lab. Pract.</i> .. ..	Laboratory Practice [Eng.]
<i>Lancet</i> .. ..	Lancet [Eng.]
<i>Lipids</i> .. ..	Lipids [Eng.]
<i>Lloydia</i> .. ..	Lloydia [Eng.]
<i>Magy. kém. Foly.</i> .. ..	Magyar Kémiai Folyóirat [Hung.]
<i>Magy. Kém. Lap.</i> .. ..	Magyar Kémikusok Lapja [Hung.]
<i>Mater. Res. Stand.</i> .. ..	Materials Research and Standards [Eng.]
<i>Meddr norsk farm. Selsk.</i> .. ..	Meddelelser fra Norsk Farmaceutisk Selskap [Eng., Ger.]
<i>Metal Finish.</i> .. ..	Metal Finishing [Eng.]
<i>Metalloberfläche</i> .. ..	Metalloberfläche [Ger.]
<i>Metallurgia</i> .. ..	Metallurgia, Manchester, U.K. [Eng.]
<i>Metallurgia ital.</i> .. ..	Metallurgia Italiana [Ital.]
<i>Mfg Chem.</i> .. ..	Manufacturing Chemist [Eng.]
<i>Mh. Chem.</i> .. ..	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften [Ger.]
<i>Microchem. J.</i> .. ..	Microchemical Journal [Eng.]
<i>Mikrochim. Acta</i> .. ..	Mikrochimica Acta [Eng., Fr., Ger.]
<i>Misc. Publs natn. Bur. Stand.</i> .. ..	Miscellaneous Publications. National Bureau of Standards [Eng.]
<i>Mitt. Geb. Lebensmittelunters. u. Hyg.</i> .. ..	Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und Hygiene [Ger.]
<i>Mitt. Rebe Wein, Obstb. Fruchtverwert.</i> .. ..	Mitteilungen (Klosterneuberg). Rebe und Wein, Obstbau und Fruchtverwertung [Ger.]
<i>Mschr. Brau.</i> .. ..	Monatsschrift für Brauerei [Ger.]
<i>Nahrung</i> .. ..	Nahrung [Ger.]
<i>Nature, Lond.</i> .. ..	Nature [Eng.]
<i>Naturwissenschaften</i> .. ..	Naturwissenschaften [Eng., Ger.]
<i>Nauch. Trudy tashkent. Univ.</i> .. ..	Nauchnye Trudy. Tashkentskogo Universitet [Russ.]
<i>Neftekhimiya</i> .. ..	Neftekhimiya [Russ.]
<i>Neth. Milk Dairy J. [Ned. Melk- en Zuiveltijdschr.]</i> .. ..	Netherlands Milk and Dairy Journal [English translation of Nederlandsch Melk- en Zuiveltijdschrift]
<i>Neue Hütte</i> .. ..	Neue Hütte [Ger.]
<i>Nukleonika</i> .. ..	Nukleonika [Pol.]
<i>N.Z. Jl Sci.</i> .. ..	New Zealand Journal of Science [Eng.]
<i>Off. Dig. J. Paint Technol. Engng</i> .. ..	Official Digest, Journal of Paint Technology and Engineering [Eng.]
<i>Optics Spectrosc. [Optika Spektrosh.]</i> .. ..	Optics and Spectroscopy [English translation of Optika i Spektroskopiya]
<i>Papier, Darmstadt</i> .. ..	Papier [Ger.]
<i>Path. Biol., Paris</i> .. ..	Pathologie et Biologie [Fr.]
<i>Peint.-Pigm.-Vern.</i> .. ..	Peintures-Pigments-Vernis [Fr.]
<i>Perfum. essent. Oil Rec.</i> .. ..	Perfumery and Essential Oil Record [Eng.]
<i>Periodica polytech.</i> .. ..	Periodica Polytechnica [Eng., Ger.]
<i>Pharm. Acta Helv.</i> .. ..	Pharmaceutica Acta Helveticae [Eng., Fr., Ger.]
<i>Pharmazie</i> .. ..	Pharmazie [Ger.]

<i>Pharm. J.</i> .. .. .	<i>Pharmaceutical Journal</i> [Eng.]
<i>Pharm. Weekbl. Ned.</i> .. .. .	<i>Pharmaceutisch Weekblad voor Nederland</i> [Dutch, Eng., Ger.]
<i>Pharm. Zentralhalle Dtl.</i> .. .. .	<i>Pharmazeutische Zentralhalle für Deutschland</i> [Ger.]
<i>Photoelect. Spectrom. Grp Bull.</i> .. .. .	<i>Photoelectric Spectrometry Group Bulletin</i> [Eng.]
<i>Plaste Kautsch.</i> .. .. .	<i>Plaste und Kautschuk</i> [Ger.]
<i>Plast. Massy</i> .. .. .	<i>Plasticheskie Massy</i> [Russ.]
<i>Plating</i> .. .. .	<i>Plating</i> [Eng.]
<i>Pochvovedenie</i> .. .. .	<i>Pochvovedenie</i> [Russ.]
<i>Powder Technol.</i> .. .. .	<i>Powder Technology</i> [Eng.]
<i>Pracovní Léh.</i> .. .. .	<i>Pracovní Lékařství</i> [Czech., Slovak]
<i>Pr. Instw. Hutn.</i> .. .. .	<i>Prace Instytutów Ministerstwa Hutnictwa</i> [Pol.]
<i>Proc. Am. Soc. Brew. Chem.</i> .. .. .	<i>Proceedings of the American Society of Brewing Chemists</i> [Eng.]
<i>Proc. Indian Acad. Sci.</i> .. .. .	<i>Proceedings of the Indian Academy of Sciences</i> [Eng.]
<i>Proc. Soc. analyt. Chem.</i> .. .. .	<i>Proceedings of the Society for Analytical Chemistry</i> [Eng.]
<i>Prof. Pap. U.S. geol. Surv.</i> .. .. .	<i>Professional Papers. United States Geological Survey</i> [Eng.]
<i>Prům. Potravin</i> .. .. .	<i>Průmysl Potravin</i> [Czech, Slovak]
<i>Pure appl. Chem.</i> .. .. .	<i>Pure and Applied Chemistry</i> [Eng., Fr., Ger.]
<i>Pyrethrum Post</i> .. .. .	<i>Pyrethrum Post</i> [Eng., Fr.]
<i>Quím. Ind., Bilbao</i> .. .. .	<i>Química e Industria</i> [Span.]
<i>Radiochim. Acta</i> .. .. .	<i>Radiochimica Acta</i> [Eng., Fr., Ger.]
<i>Radiokhimiya</i> .. .. .	<i>Radiokhimiya</i> [Russ.]
<i>Rapp. CEA</i> .. .. .	<i>Rapport. Commissariat à l'Énergie Atomique</i> [Fr.]
<i>Rass. chim.</i> .. .. .	<i>Rassegna Chimica</i> [Ital.]
<i>Recl Trav. chim. Pays-Bas Belg.</i> .. .. .	<i>Recueil des Travaux Chimiques des Pays-Bas et de la Belgique</i> [Eng.]
<i>Rep. atom. Energy Commn U.S.</i> .. .. .	<i>Report. Atomic Energy Commission, United States</i> [Eng.]
<i>Rep. Invest. U.S. Bur. Mines</i> .. .. .	<i>Report of Investigations. United States Bureau of Mines</i> [Eng.]
<i>Rep. U.K. atom. Energy Auth.</i> .. .. .	<i>Report. United Kingdom Atomic Energy Authority</i> [Eng.]
<i>Rev. Coal Tar Technol.</i> .. .. .	<i>Review of Coal Tar Technology</i> [Eng.]
<i>Rev. scient. Instrum.</i> .. .. .	<i>Review of Scientific Instruments</i> [Eng.]
<i>Revta Agroquím. Tecnol. Aliment.</i> .. .. .	<i>Revista de Agroquímica y Tecnología de Alimentos</i> [Span.]
<i>Revta Asoc. bioquím. argent.</i> .. .. .	<i>Revista de la Asociación Bioquímica Argentina</i> [Span.]
<i>Revta Chim.</i> .. .. .	<i>Revistă de Chimie</i> [Rom.]
<i>Revta Ciencia apl.</i> .. .. .	<i>Revista de Ciencia Aplicada</i> [Span.]
<i>Revta Fac. Farm. Bioquím., Univ. S Paulo</i> .. .. .	<i>Revista da Faculdade de Farmácia e Bioquímica da Universidade de São Paulo</i> [Port.]
<i>Revta Metal.</i> .. .. .	<i>Revista de Metalurgia</i> [Span.]
<i>Revta port. Quím.</i> .. .. .	<i>Revista Portuguesa de Química</i> [Port., Span.]
<i>Revta Soc. quím. Méx.</i> .. .. .	<i>Revista. Sociedad química de México</i> [Span.]
<i>Revta Univ. ind. Santander</i> .. .. .	<i>Revista de la Universidad Industrial de Santander</i> [Span.]
<i>Revue roum. Chim.</i> .. .. .	<i>Revue Roumaine de Chimie</i> [Eng., Fr., Ger.]
<i>Ricerca scient.</i> .. .. .	<i>Ricerca Scientifica</i> [Ital.]
<i>Riechststoffe Arom. Körperpflegemittel</i> .. .. .	<i>Riechststoffe, Aromen, Körperpflegemittel</i> [Ger.]
<i>Riv. ital. Sostanze grasse</i> .. .. .	<i>Rivista Italiana delle Sostanze Grasse</i> [Ital.]
<i>Roczn. Chem.</i> .. .. .	<i>Roczniki Chemii</i> [Eng., Fr., Ger., Pol.]
<i>Roczn. państ. Zakt. Hig.</i> .. .. .	<i>Rocznik Państwowego Zakładu Higieny</i> [Pol.]
<i>Ropa Uhlie</i> .. .. .	<i>Ropa a Uhlie</i> [Czech, Slovak]
<i>S. Afr. J. agric. Sci.</i> .. .. .	<i>South African Journal of Agricultural Science</i> [Afrik., Eng.]
<i>Sb. Trud. tsent. nauchno-issled. Inst. chern. Metall.</i> .. .. .	<i>Sbornik trudov Tsentral'nogo nauchno-issledovatel'skogo instituta chernoi metallurgii</i> [Russ.]
<i>Scand. J. clin. Lab. Invest.</i> .. .. .	<i>Scandinavian Journal of Clinical &amp; Laboratory Investigation</i> [Eng.]
<i>Science, N.Y.</i> .. .. .	<i>Science</i> [Eng.]
<i>Scientia pharm.</i> .. .. .	<i>Scientia Pharmaceutica</i> [Ger.]
<i>Sci. Tools</i> .. .. .	<i>Science Tools</i> [Eng.]
<i>Sepn Sci.</i> .. .. .	<i>Separation Science</i> [Eng.]
<i>Soap chem. Spec.</i> .. .. .	<i>Soap and Chemical Specialties</i> [Eng.]
<i>Soil Sci.</i> .. .. .	<i>Soil Science</i> [Eng.]
<i>Spectrochim. Acta</i> .. .. .	<i>Spectrochimica Acta</i> [Eng., Ger.]
<i>Spectrovision</i> .. .. .	<i>Spectrovision</i> [Eng.]
<i>Stärke</i> .. .. .	<i>Stärke</i> [Ger.]
<i>Staub</i> .. .. .	<i>Staub</i> [Ger.]
<i>Steroids</i> .. .. .	<i>Steroids</i> [Eng.]
<i>Studia Univ. Babeş-Bolyai</i> .. .. .	<i>Studia Universitatis Babeş-Bolyai</i> [Rom.]
<i>Studii Cerc. Chim.</i> .. .. .	<i>Studii şi Cercetări de Chimie</i> [Rom.]
<i>Studii Cerc. Fiz.</i> .. .. .	<i>Studii şi Cercetări de Fizică</i> [Rom.]
<i>Svensk Papperstidn.</i> .. .. .	<i>Svensk Papperstidning</i> [Eng., Ger.]
<i>Talanta</i> .. .. .	<i>Talanta</i> [Eng., Fr., Ger.]
<i>TAPPI</i> .. .. .	<i>Journal of the Technical Association of the Pulp and Paper Industry</i> [Eng.]



<i>Technology, Sindri</i> .. .. .	Technology [Eng.]
<i>Tenside</i> .. .. .	Tenside [Ger.]
<i>Tidsskr. Kjemi Bergv. Metall.</i> .. .. .	Tidsskrift for kjemi, bergvesen og metallurgi [Nor.]
<i>Trans. Br. ceram. Soc.</i> .. .. .	Transactions of the British Ceramic Society [Eng.]
<i>Trans. Instn Min. Metall.</i> .. .. .	Transactions of the Institution of Mining and Metallurgy [Eng.]
<i>Trav. Soc. Pharm. Montpellier</i> .. .. .	Travaux de la Société de Pharmacie de Montpellier [Fr.]
<i>Trib. CEBEDEAU</i> .. .. .	Tribune du CEBEDEAU [Centre Belge d'Étude et de Documentation des Eaux] [Fr.]
<i>Trudy Khim. khim. Tekhnol.</i> [Gor'kii] .. .. .	Trudy po Khimii i Khimicheskoi Tekhnologii [Russ.]
<i>Trudy Kom. analit. Khim.</i> .. .. .	Trudy Komissii po Analiticheskoi Khimii [Russ.]
<i>Trudy mosh. khim.-tekhno. Inst.</i> .. .. .	Trudy Moskovskogo Khimiko-Tekhnologicheskogo Instituta imeni D. I. Mendeleeva [Russ.]
<i>Trudy vses. nauchno-issled. Inst. khim. Reakt.</i> .. .. .	Trudy Vsesoyuznogo Nauchno-issledovatel'skogo Instituta khimicheskikh Reaktivov [Russ.]
<i>Uchen. Zap. azerb. gos. Univ., Ser. khim. Nauk</i> .. .. .	Uchenye Zapiski Azerbaidzhanskogo Gosudarstvennogo Universiteta, Seriya Khimicheskikh Nauk [Russ.]
<i>Uchen. Zap. latv. gos. Univ.</i> .. .. .	Uchenye Zapiski Latvinskogo Gosudarstvennogo Universiteta
<i>Uchen. Zap. perm. gos. Univ.</i> .. .. .	Uchenye Zapiski Permskogo Gosudarstvennogo Universiteta [Russ.]
<i>Ukr. biokhim. Zh.</i> .. .. .	Ukrainskii Biokhimicheskii Zhurnal [Russ.]
<i>Ukr. khim. Zh.</i> .. .. .	Ukrainskii Khimicheskii Zhurnal [Russ.]
<i>Uzbek. khim. Zh.</i> .. .. .	Uzbekskii Khimicheskii Zhurnal [Russ.]
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- Acid Chrome violet K. *Mordant Violet 5.*
- Acid monochrome Bordeaux S. *Mordant Red 30.*
- Alizarin red S. *Mordant Red 3.*
- Amido black 10B. *Acid Red 103.*
- azocarmine B. *Acid Black 2.*
- Azovan blue. *Direct Blue 56.*
- brilliant green. *Basic Green 1.*
- butylrhodamine B. *Basic Violet 10, butyl ester.*
- Celliton fast blue FR. *Disperse Blue 9.*
- Celliton fast blue - green B. *Disperse Blue 7.*
- Channel black. *Pigment Black 6 and 7.*
- Chromotrope 2R. *Acid Red 29.*
- Chromoxane violet R. *Mordant Violet 16.*
- Congo red. *Direct Red 28.*
- crystal violet. *Basic Violet 3.*
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- Eriochrome black T. *Mordant Black 11.*
- Eriochrome blue-black R. *Mordant Black 17.*
- Eriochrome cyanine R. *Mordant Red 3.*
- Erythrosine B. *Acid Red 51.*
- Fast blue B. *Azoic Diazo Component 48.*
- Fast red E. *Food Red 4.*
- galloxyaniline. *Mordant Blue 10.*
- malachite green. *Basic Green 4.*
- naphthol black. *Acid Black 3.*
- nigrosine. *Acid Black 2.*
- Nile blue A. *Basic Blue 12.*
- Oracet blue B. *Solvent Blue 19.*
- pararosaniline. *Basic Red 9.*
- Pontacyl violet 4BSN. *Acid Violet 3.*
- Rhodamine B. *Basic Violet 10.*
- Rhodamine 6G. *Basic Red 1.*
- Rhoduline blue 5B. *Basic Blue 5.*
- Rose Bengal. *Acid Red 94.*
- Rubine. *Acid Red 14.*
- Safranin T. *Basic Red 2.*
- Solochrome cyanine R. *Mordant Blue 3.*
- Solochrome violet BS. *Mordant Violet 5.*
- Sudan III. *Solvent Red 23.*
- Sudan black B. *Solvent Black 3.*
- Thiazol yellow. *Direct Yellow 9.*
- Titan yellow. *Direct Yellow 9.*
- Tropaeolin OO. *Acid Orange 5.*
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 benzoic acid, 5914.  
   *Na* salt, 1998.  
 benzimidazol-2-ylmethanethiol, 65.  
 benzohydroxamic acid deriv., 1359.  
 benzoin  $\alpha$ -oxime, 2639.  
 1-benzoyl-3-ethoxycarbonylmethylselenourea.  
   [See *N*-(benzoylselenocarbamoyl)glycine, ethyl ester.]  
 4-benzoyl-3-methyl-1-phenylpyrazolin-5-one, 3863.  
*N*-(benzoylselenocarbamoyl)glycine, ethyl ester, 2019.  
 benzyldodecyldimethylammonium bromide, 7506.  
*N*-benzylideneaniline, 7300.  
 beryllon II [3-(8-hydroxy-3,6-disulpho-1-naphthylazo)chromotropic acid], 6330.  
 biacetyl monoxime, 7257.  
 bicinchoninic acid, 3175.  
 2,2'-bipyridyl, 1507.  
 2,2'-biquinolyl, 2663.  
 bis(carboxymethyl)dithiocarbamic acid,  $\text{NH}_4$  salt, 1262, 5206.  
 bis(chromotropeazo)phenolphthalein, 4572.  
 biscyclohexanone oxalylidihydrazine, 2525.  
 bis(diethylthiocarbamoyl) disulphide, 7114C.  
 4,4'-bis(dimethylamino)thiobenzophenone, 7169.  
 bis(2-ethylhexyl) phosphate, 2777.  
 bis(2-hydroxyethyl)dithiocarbamic acid, *K* salt, 3174.  
*NN'*-bis(2-hydroxypropyl)-*o*-phenylenediamine, 1683.  
 1,3-bis(8-mercapto-1,3-dimethyl-2,6-dioxapurin-7-yl)propane, 2585.  
*N*-bis(4-methoxyphenyl)methylenebenzylamine, 4036.  
 bis(naphthylmethyl)amines, 7230.  
 2,3-bis(salicylideneamino)benzofuran, 2509.  
 brombenzthiazol [1-(6-bromobenzothiazol-2-ylazo)-2-naphthol], 1341.  
 bromocresol green, 7339.  
 5-bromo-8-mercaptoquinoline, 6517.  
 2-(5-bromo-2-pyridylazo)-5-ethylamino-*p*-cresol, 3837.  
 4-(5-bromo-2-pyridylazo)resorcinol, 6541.  
 bromopyrogallol red, 3841.  
*N*-bromosuccinimide, 359, 817, 1509, 6079.  
 5-bromo-1,4-xylene-2-sulphonic acid, 6831.  
 brucine, 2020.  
 cadion IREA [5-nitro-2-[3-(4-(4-sulphophenylazo)-phenyl)triazeno]benzenesulphonic acid, di-*Na* salt,] 3178.  
 calcichrome {5-[(1,8-dihydroxy-3,6-disulpho-2-naphthyl)azo]-4-hydroxy-3-[(8-hydroxy-3,6-disulpho-1-naphthyl)azo]naphthalene-2,7-disulphonic acid, hexa-*Na* salt}, 2574, 3318, 6678.  
 camphoric acid, 1900.  
 carboxyarsenazo [2-[7-(*o*-carboxyphenylazo)-1,8-dihydroxy-3,6-disulpho-2-naphthylazo]-benzenearsonic acid], 3427, 6112.  
 3-(2-carboxy-3-pyridylazo)chromotropic acid, 5886.  
 carminic acid, 1375, 1400, 2520.  
 catechol, 3930.  
 catechol violet, 2539, 3219, 6573, 6667, 7241.  
*p*-chloroaniline, 2586.

**Reagents, organic—continued**

- N*-(4-chlorobenzyl)-1-naphthylmethylamine, 6637.  
 1-chloro-2,4-dinitrobenzene, 2150, 7513.  
 6-(2-chloro-4,6-dinitrophenylazo)thymol, 7174.  
 4'-chloro-2-hydroxy-4-methoxybenzophenone, 169.  
 4-(5-chloro-2-hydroxyphenylazo)resorcinol, 7626.  
 4-chloro-*N*-methylaniline, 1582.  
 4-chloro-3-methyl-5-nitrobenzenesulphonic acid, 985.  
 (4-chloro-3-methyl-1-phenylpyrazolin-5-yl)bis-[(4-dimethylaminophenyl)methanol, 3122.  
 chlorphosphonazo III [3,6-bis(4-chloro-2-phosphonophenylazo)chromotropic acid], 1905, 4579, 5264.  
 chlorsulphophenol S [3,6-bis(5-chloro-2-hydroxy-3-sulphophenylazo)chromotropic acid], 2640, 4699, 6629.  
 4-chloro-2,5-xylenesulphonic acid, 6831.  
 chromotropic acid, 7600.  
 cinnamic acid, 6547.  
 cupferron (*N*-nitroso-*N*-phenylhydroxylamine,  $\text{NH}_4$  salt), 1846, 6615.  
 cycloalkane-1,2-dione dioximes, 5221.  
 dalzin [1,2-bis(thiocarbamoyl)hydrazine], 2648.  
 dansyl chloride (5-dimethylaminonaphthalene-1-sulphonyl chloride), 350, 4900.  
 4,5-diacetoxynaphthalene-2,7-disulphonic acid, 4509, 5253.  
 diacetyldithiol (diacetyltoluene-3,4-dithiol), 488.  
 3,3'-diaminobenzidine, 6513.  
 1,2-diaminocyclohexane-*NNN'*-tetra-acetic acid, 1845, 1954, 2544, 2545, 2570.  
   *Hg* complex of, 2619.  
 4,4'-diaminodiphenyl sulphone, 6594.  
 diantipyrylmethane, 749, 3260, 3840, 3906, 4697, 6017, 6692.  
   deriv. of, 3895.  
 1,1-diantipyryl-3-methylbutane, 6578.  
 diantipyrylazo [3,6-bis(4-antipyrylazo)chromotropic acid], 103.  
 dibenzylidithiocarbamic acid, salts of, 4291, 5448.  
*NN'*-dibenzylidithio-oxamide, 7173.  
 3,5-dibromo-*p*-benzoquinonechlorimine, 4008.  
 1,3-dibromo-5,5-dimethylhydantoin, 6271.  
 2-(3,5-dibromo-2-pyridylazo)-5-ethylamino-*p*-cresol, 3837.  
 3,5-dichloro-*p*-benzoquinonechlorimine, 3492.  
 2,3-dichloro-5,6-dicyano-*p*-benzoquinoneimine, 4008.  
 2,3-dichloro-5,6-dicyano-*p*-benzoquinonedi-imine, 516.  
 2,6-dichlorophenolindophenol, 1529.  
 $\alpha$ -(*p*-diethylaminobenzamido)cinnamic acid, 3806.  
 diethylaminoethanol, 6850.  
 5-diethylamino-2-(2-pyridylazo)phenol, 6683.  
 3,5-diethyl-2,6-dimercaptothiopyran-4-one, 4651.  
 diethyldithiocarbamic acid, salts of, 2004, 5292, 5302, 5464.  
 diethylenetriaminopenta-acetic acid, 323.  
 dihydroacridine, 6325.  
 2,2'-dihydroxyazobenzene, 324, 2452, 3333, 5070.  
 2,4-dihydroxybenzoic acid, 7133.  
 2-(1,8-dihydroxy-3,6-disulpho-2-naphthylazo)-phenoxycetic acid, 4675.  
 2-[1,8-dihydroxy-7-(1-hydroxy-3,8-disulpho-2-naphthylazo)-3,6-disulpho-2-naphthylazo]-benzenearsonic acid, 3862.  
 dihydroxymaleic acid, 3171.  
 2,6-dimercapto-3-pentylthiopyran-4-one, 6579.  
 dimethyl sulphoxide, 1536.  
*p*-dimethylaminobenzaldehyde, 364.  
*p*-dimethylaminobenzylidenerhodanine, 701.

## Reagents, organic—continued

- p*-dimethylaminocinnamaldehyde, 2177, 5600.  
 $\alpha$ -(4-dimethylaminophenylimino)-*o*-cresol, 3243.  
*p*-dimethylaminophenylmercury acetate, 6064.  
 5-dimethylamino-2-(2-thiazolylazo)phenol, 3774.  
 dimethylglyoxime, 6669, 6676.  
*NN*-dimethyl-*p*-nitrosoaniline, 5361.  
*NN*-dimethyl-*p*-phenylenediamine, 3575, 4676, 7356.  
 dimethylsulphonazo III [3,6-bis(4-methyl-2-sulphophenylazo)chromotropic acid], 3822.  
 1,2-dimorpholinoethane, 2582.  
 1,5-di(2-naphthyl)thiocarbazon, 1378, 3904.  
 2,4-dinitrobenzenesulphenyl chloride, 2889.  
 2,4-dinitrobenzenesulphonic acid, 209, 2185.  
 dinitrohydroxyazo [3,6-bis(2-hydroxy-5-nitrophenylazo)chromotropic acid], 1858.  
 2,4-dinitro-*N*-picryl-1-naphthylamine, 3801.  
 dioctyl Na sulphosuccinate, 981.  
*p*-(1,3-dioxo-3-phenylpropyl)benzenesulphonic acid, Na salt, 1321.  
 2,6-dioxopyran-4-carboxylic acid, 2066.  
*OO*-diphenyl phosphorodithioate, 5248.  
 diphenylamine, 511.  
 diphenylcarbazine, 743, 6353.  
 1,5-diphenylcarbazon, 1117, 5315, 6638.  
 1,1-diphenylhydrazine, 1429.  
 4,7-diphenyl-1,10-phenanthrolinesulphonic acid, Na salt, 6800, 6801.  
 5,6-diphenyl-3-(4-phenyl-2-pyridyl)-1,2,4-triazine, 1999.  
 2,2-diphenyl-1-picrylhydrazyl, 852, 2704, 7604.  
 diphenylselenium oxide, 6008.  
 1,4-diphenyl-3-thiosemicarbazide, 3306, 4664.  
 1,3-diphenyl-2-thiourea. (See *thiocarbamide*.)  
 dipicrylaminic acid, Ca salt, 59.  
 di(2-pyridyl) ketoxime, 1870.  
 1,2-di(4-pyridyl)ethylene, 472.  
 5,5'-dithiobis(2-nitrobenzoic acid), 4918, 5515.  
 1-dithiocarboxyproline, 2518.  
 dithiofluorescein, 7465.  
 dithio-oxamide, 6502, 7165.  
 dithiovanillic acid, 6627.  
 dithizone, 2638.  
 DTPA. (See *diethylenetriaminepenta-acetic acid*.)  
 dyphylline [7-(2,3-dihydroxypropyl)theophylline], 5525.  
 EDTA, diNa Ba salt, 1882, 1941, 5884.  
 EGTA [1,2-bis-(2-aminoethoxy)ethane-*NNN'*-tetra-acetic acid], 3009.  
 eikonogen (5-amino-6-hydroxynaphthalene-2-sulphonic acid), 7231.  
 4-ethoxycarbonyl-3-hydroxy-1-methyl-3-pyrrolin-2-one, 6735.  
*p*-ethoxychrysoidine, 780.  
 5-ethylamino-2-(2-pyridylazo)-*p*-cresol, 6683.  
*NN'*-ethylenebis(*N*-1-carboxyethylglycine), 7150.  
 ethylenediamine-*NN'*-dipropionic acid, 3752.  
 2,2'-ethylenedipyridine, 4584.  
 ethylenetetra-carbonitrile, 516.  
 ferroin [tris(1,10-phenanthroline)iron(II)], 66, 3885, 6603.  
 flavonol-2'-sulphonic acid, 3225.  
 5-fluoro-2,4-dinitroaniline, 4919.  
 1-fluoro-2,4-dinitrobenzene, 822, 5520.  
 furil dioxime, 3320, 4507, 7173.  
 gallein (3',4',5',6'-tetrahydroxyfluoran), 2634, 3266, 6930.  
 gallion [5-amino-3-(3-chloro-2-hydroxy-5-nitrophenylazo)-4-hydroxynaphthalene-2,7-di-sulphonic acid], 1899.

## Reagents, organic—continued

- glutarimide dioxime, 3125.  
 glycine cresol red, 3218.  
 glycine thymol blue, 3834.  
 glyoxal bis-2-hydroxyanil, 492, 1877, 2135, 2533, 3008, 3277, 5452.  
 haematein, 5351.  
 heptacosafuorotributylamine, 6005.  
 6,6,7,7,8,8,8-heptafluoro-2,2-dimethyloctane-3,5-dione, 4516.  
 hexadecyl (2-hydroxycyclohexyl)dimethylammonium bromide, 7506.  
 hexafluoroacetylacetone, 69.  
 hexamethylphosphoramide, 258, 3916, 5246.  
 hexanitrodiphenylamine, 4784.  
 4-hydroxycoumarin oxime, 7280.  
 8-hydroxy-5,7-di-iodoquinoline, 1, 5307.  
 2-hydroxy-4,5-dimethylbenzenesulphonic acid, 985.  
 4-hydroxy-2,5-dimethylbenzenesulphonic acid, 985.  
 2-hydroxy-3,5-dinitrobenzoic acid, 4542.  
 3-hydroxy-1,3-diphenyltriazene, 97.  
 1-hydroxydithio-2-naphthoic acid, 7285.  
 3-hydroxy-1,3-di-*p*-tolyltriazene, 783.  
*N*-hydroxyethylethylenediamine-*NN'*-tri-acetic acid (HEDTA), 2543.  
 3-hydroxyflavone, 3238, 3334, 6607, 6653.  
 hydroxyiminoacetylacetone, 1405.  
 ( $\beta$ -hydroxyiminophenethyl)iminodiacetic acid, 761.  
 8-hydroxy-7-iodoquinoline-5-sulphonic acid, 84.  
*o*-hydroxymercuribenzoic acid, 1603.  
 Na salt, 6026, 7465.  
 2-[(3-hydroxymercuri-2-methoxypropyl)carbamoyl]phenoxyacetic anhydride, 6209.  
 8-hydroxy-7-[ $\alpha$ -(*o*-methoxycarbonylanilino)-benzyl]quinoline, 5889.  
 8-hydroxy-7-[3-(1-methyl-2-piperidyl)-2-pyridyl-azo]quinoline, 4585, 5900.  
 2'-hydroxy-5'-methylpropiophenone oxime, 185.  
 2-hydroxy-1-naphthaldoxime, 3897.  
 3-hydroxynaphthalene-2,7-disulphonic acid, Na salt, 4960.  
 2-hydroxy-3-naphthoic acid, 225.  
 2-(2-hydroxy-1-naphthylazo)benzoic acid, 1289.  
 2-(4-hydroxyphenylazo)benzoic acid, 1552.  
 2-(2-hydroxyphenyl)benzoxazole, 2529.  
 8-hydroxyquinaldine, 6593.  
 8-hydroxyquinoline-5-sulphonic acid, 2133, 5875, 6521.  
 3-hydroxytriazene deriv., 3121.  
 1,1'-iminodi(6-chloroanthraquinone), 7181.  
 isothiocyanatofluorescein, 2914.  
 lucigenin (10,10'-dimethyl-9,9'-biacridinium di-nitrate), 1272.  
 luminol (5-amino-2,3-dihydrophthalazine-1,4-dione), 6604.  
 lumocupferron ( $\alpha$ -benzamide-4-dimethylamino-cinnamic acid), 5449.  
 lumogallion [5-chloro-2-hydroxy-3-(2,4-dihydroxyphenylazo)benzenesulphonic acid], 5260.  
 magnesium blue [5-(6-hydroxyuracil-5-yl)penta-2,4-dienylidenebarbituric acid], 6331.  
 magon II [4-hydroxy-3-[2-hydroxy-3-(2,4-xylyl-carbamoyl)naphthylazo]benzenesulphonic acid], 876.  
 mercaptoacetic acid, 6010.  
 anilides, 3126.  
 2-mercaptobenzoic acid, 1382, 6502.  
 2-mercaptobenzothiazole, 187.  
 2-mercaptoethanol, 1374.  
 $\beta$ -mercaptohydrocinnamic acid, esters of, 3938.

**Reagents, organic—continued**

2-(mercaptomethyl)benzimidazole, 186.  
 2-mercaptopropionic acid anilide, 3126.  
 8-mercaptoquinoline, deriv. of, 77.  
 mercaptosuccinic acid, 5328.  
 4-mercapto-2-thenoyltrifluoroacetone, 51.  
 4-methoxybenzothiohydroxamic acid, 5951.  
 6-methoxy-2-methylthiopyrimidine-4-carboxylic acid, 3913.  
 $\alpha$ -methoxy-2-naphthylacetic acid, 3796.  
 4'-(4-methoxyphenyl)-2,2':6',2''-terpyridyl, 7406.  
 methyl viologen (1,1'-dimethyl-4,4'-bipyridinium dichloride), 5955.  
 4-methylaesculetin, 1968.  
 N-methylanabasine-( $\alpha'$ -azo-4)-*m*-aminophenol. {See 3-amino-4-[3-(1-methyl-2-piperidyl)-2-pyridylazo]phenol.}  
 N-methylanabasine-( $\alpha'$ -azo-6)-*m*-aminophenol. {See 5-amino-2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]phenol.}  
 N-methylanabasine- $\alpha'$ -azoheptylresorcinol. {See 2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-heptylresorcinol.}  
 N-methylanabasine- $\alpha'$ -azo-1-naphthol. [See 2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-1-naphthol.]  
 N-methylanabasine- $\alpha'$ -azo-2-naphthol. {See 1-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-2-naphthol.}  
 4-(N-methylanabasine-2-azo)resorcinol. {See 4-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-resorcinol.}  
 3-methylbenzothiazolin-2-one, 1428.  
 hydrazone, 1543, 2678, 5607, 6884, 7335, 7611.  
 1-methyl-3,1-benzoxazine-2,4-dione, 804.  
 2,2'-methylenebisbenzothiazole, 3792.  
 2-methylindole, 7325.  
 N-methylisatoic anhydride. (See 1-methyl-3,1-benzoxazine-2,4-dione.)  
 3-methyl-1-phenyl-2-pyrazolin-5-one, 1462, 3558.  
 2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]heptylresorcinol, 669.  
 2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-1-naphthol, 781, 3173, 3200, 3336.  
 1-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-2-naphthol, 3282, 6001, 6006, 6009.  
 4-[3-(1-methyl-2-piperidyl)-2-pyridylazo]resorcinol, 3223, 3944, 5935.  
 2-(3-methyl-5-propyl-2-pyrrolyl)phenol, 1403.  
 methylthymol blue, 4656, 5962, 6608, 6650, 6658.  
 morin (2',3,4',5,7-pentahydroxyflavone), 2587, 2627, 5873.  
 morpholinium 3-oxapentamethylenedithiocarbamate, 3860, 4073, 4650, 4706, 5866.  
 murexide (ammonium purpurate), 1317, 4574.  
 naphthalene-1,3-diol, 1523.  
 2-naphthylamine phthalate, 236.  
 1-naphthylmethylamine, *N*-substituted, 733.  
 neocupferron (*N*-1-naphthyl-*N*-nitrosohydroxylamine, NH<sub>2</sub> deriv.), 6615.  
 neocuproine (2,9-dimethyl-1,10-phenanthroline), 918.  
 neonicon. (See furil dioxime.)  
 nickel diethyl phosphorodithioate, 2323.  
 nioxime (cyclohexane-1,2-dione dioxime), 5221.  
 nitrilotriacetic acid, 2591.  
 nitroanthranilazo [2-(3-methyl-5-oxo-1-phenylpyrazolin-4-ylazo)-4-nitrobenzoic acid], 3163.  
 4-nitrobenzenediazonium fluoroborate, 4974.  
 2-nitrobenzenesulphenyl chloride, 2889.  
 4-(4-nitrobenzyl)pyridine, 5085, 6810.  
 nitrobromarsenazo [2-(7-bromo-1,8-dihydroxy-3,6-disulpho-2-naphthylazo)-5-nitrobenzenearsonic acid], 4599.

**Reagents, organic—continued**

*o*-nitrophenylfluorone, 5963.  
 1-nitroso-2-naphthol, 1311, 2013.  
 nitrosophenazone, 5403.  
 nitroso-R salt (3-hydroxy-4-nitrosophthalene-2,7-disulphonic acid), 5338.  
 2-nonylpyridine *N*-oxide, 5207.  
 orotic acid, 2012.  
 oxalyldihydrazide, 322, 3626.  
 1,4-oxathian, 3346.  
 2-oxobut-3-ynoate, 5356.  
 oxytetracycline, 2180.  
 palladiazo [3,6-bis(4-arsonophenylazo)chromotropic acid], 2016.  
 phenanthraquinone monoxime, 6671.  
 phenosafranin (3,7-diamino-5-phenylphenazinium chloride), 6558.  
 phenoxanthin, 5360.  
 phenyl 2-pyridyl ketoxime, 7623.  
*N*-phenylbenzohydroxamic acid, 664, 739, 4538.  
 phenylbiguanide, 5356.  
 3-phenyldaphnetin (7,8-dihydroxy-3-phenylcoumarin), 748.  
*o*-phenylenediamine, 786, 4742.  
 phenylfluorone (2,6,7-trihydroxy-9-phenyl-3*H*-xanthen-3-one), 39, 740, 7332, 2566, 6670.  
 phosphonazo III [3,6-bis(2-phosphonophenylazo)-chromotropic acid], 3124.  
 phthalaldehyde, 1540, 4129.  
 phthalein complexan, 4589.  
 picolinaldehyde 2-quinolylhydrazone, 2010, 3345.  
 picolinaldioxime, 4564.  
 piperidine-2-thione, 1301.  
 polyethyleneimine, 7164.  
 pongamol [1-(4-methoxy-5-benzofuranyl)-3-phenylpropane-1,3-dione], 718.  
 pyrazine-2,3-dicarboxylic acid, 7247.  
 pyridine-2,6-diamidoxime, 1288.  
 pyridine-2,6-dicarboxylic acid, 4687.  
 3-(3-pyridylazo)chromotropic acid, 5886.  
 9-(3-pyridyl)fluorone [2,6,7-trihydroxy-9-(3-pyridyl)-3*H*-xanthen-3-one], 1340.  
 pyruvoyl chloride 2,6-dinitrophenylhydrazone, 10.  
 quercetin, 1316.  
 quinalizarin, 3127, 4694.  
 quinazolinazo [2-[2-(4,5-dimethylimidazol-2-ylazo)phenyl]-8-hydroxy-4,5,7-trimethylquinazoline], 782.  
 quinizarin, 7182.  
 quinizarinsulphonic acid, 7133.  
 2-quinolylphosphonic acid, 2515.  
 resacetophenone oxime, 3897.  
 rezarson [5-chloro-3-(2,4-dihydroxyphenylazo)-2-hydroxybenzenearsonic acid], 3261, 3262, 3263.  
 robinetin (3,3',4',5',7-pentahydroxyflavone), 5936.  
 salicylaldehyde, 5950.  
 salicylaldehyde, 1846, 3337, 3897.  
 2-(salicylideneamino)benzenethiol, 5290.  
 2-(salicylideneamino)benzoic acid, 135.  
 2-salicylideneaminofluoren-3-ol, 3831.  
 2-salicylideneaminophenol, 4508.  
 Schaeffer acid (6-hydroxynaphthalene-2-sulphonic acid), 7231.  
 selenenoylacetone [1-(selenophen-2-yl)butane-1,3-dione], 714.  
 selenenoyltrifluoroacetone [4,4,4-trifluoro-1-(selenophen-2-yl)butane-1,3-dione], 714.  
 selenophen-2-aldoxime, 3943.  
 SPADNS [3-(4-sulphophenylazo)chromotropic acid], 325, 2609.  
 stilbazogall I [4,4'-bis(2,3,4-trihydroxyphenylazo)-stilbene-2,2'-disulphonic acid], 2608.



**Reagents, organic—continued**

- sulpharsazen {5-nitro-2-[3-(4-*p*-sulphophenylazo-phenyl)-1-triazeno]benzenearsonic acid}, 130, 3203.  
 sulphobromophthalein, 2769.  
 sulpholan (tetrahydrothiophen 1,1-dioxide), 3766.  
 sulphosalicylic acid, 6623.  
 tetra-acetylquinalizarin 86.  
 2,3,5,6-tetrachloro-*p*-benzoquinone, 4015.  
 tetracyanoethylene, 4008.  
 2, (4,5,6,7-tetrahydrobenzothiazol-2-ylazo)-8-hydroxyquinoline, 6478.  
 tetrakis(acetoxymethyl)fluorescein, 1439.  
 tetramethylthiuram disulphide, 1979.  
 tetraphenylarsonium chloride, 1970.  
 tetraphenylphosphonium chloride, 6637.  
 tetron (NNN'*N'*-tetramethyl-*o*-tolidine), 170.  
 2-henyltrifluoroacetone, 785, 5266, 5281, 6642, 6790.  
 4-(2-thiazolylazo)resorcinol, 2550.  
 thiobenzamide, 5219.  
 thiocaprolactam, 1889.  
 thiocarbamide, 6513.  
 thionalide (2-mercapto-*N*-2-naphthylacetamide), 6502.  
 thiothenyltrifluoroacetone, 51.  
 thiourea, 2623, 2642, 6502.  
 thoron I [2-(2-hydroxy-3,6-disulpho-1-naphthylazo)benzenearsonic acid], 1935, 2537, 5947.  
 thymolphthalexone, 1320.  
 tiron (4,5-dihydroxybenzene-1,3-disulphonic acid, di-Na salt), 2588, 4654.  
 8-(toluene-*p*-sulphonamido)quinoline, 3274.  
 4-(toluene-*p*-sulphonyloxy)benzenesulphonic acid, 940.  
 tributylphosphine oxide, 1347.  
 2,4,6-trichlorophenol, 3753.  
 tricyclohexylphosphine oxide, 6595.  
 trifluoroacetylacetone, 69.  
 trihexylphosphine oxide, 6595.  
 2,3,4-trihydroxybenzoic acid, 7259.  
 3,4,5-trihydroxybenzoic acid, 2593.  
 trimethylphenylammonium iodide, 2476.  
 2,4,6-trinitrobenzenesulphonic acid, 2191, 4907, 7455.  
 2,4,7-trinitrofluoren-9-one, 1464.  
 trioctylphosphine oxide, 6595.  
 triphenylarsonium iodide, 1988.  
 triphenyltetrazolium chloride, 3577.  
 2,4,6-tri-(2-pyridyl)-1,3,5-triazine, 2146.  
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1,064,871	471	1,075,055	1671	1,083,876	3254	1,087,301	2195
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1,074,874	1156	1,083,352	1726	1,087,246	5128	1,092,919	4528
1,075,054	1671	1,083,683	2127	1,087,248	5131	1,093,123	4425

Patent No.	Abstr. No.	Patent No.	Abstr. No.	Patent No.	Abstr. No.	Patent No.	Abstr. No.
1,093,294	5159	1,099,929	5101	1,107,367	6431	1,115,847	7673
1,093,522	4469	1,100,186	5178	1,107,847	5548	1,115,851	7368
1,093,523	4470	1,100,618	5141	1,107,920	7065	1,116,052	7267
1,093,753	4426	1,102,279	5111	1,108,666	6416	1,116,315	7664
1,094,180	4482	1,103,320	5146	1,108,770	5480	1,116,427	7662
1,094,514	4814	1,103,418	5096	1,109,032	7044	1,116,482	7606
1,094,778	4681	1,103,419	4533	1,109,061	7045	1,116,540	7497
1,095,272	4374	1,103,943	5129	1,109,160	7046	1,117,250	7397
1,095,977	3887	1,103,995	4870	1,109,295	6985	1,117,700	7301
1,096,817	5170	1,104,137	4884	1,109,422	7051	1,117,969	7208
1,097,264	4376	1,104,451	5244	1,109,602	7078	1,118,011	7314
1,097,327	4423	1,104,704	5802	1,109,740	7076	1,118,610	7656
1,097,689	4419	1,104,788	5750	1,109,759	7055	1,118,769	7672
1,097,892	4424	1,105,046	5736	1,111,442	7058	1,118,969	7720
1,098,265	4022	1,105,397	5820	1,111,443	7064	1,119,197	7658
1,098,407	4739	1,105,927	5444	1,112,251	7440	1,119,198	7657
1,098,425	5106	1,106,086	5349	1,112,869	7490	1,119,434	7660
1,098,439	5155	1,106,093	5749	1,113,273	7043	1,119,459	7605
1,098,573	5107	1,106,375	5791	1,114,157	7158	1,119,513	7671
1,098,653	5099	1,106,655	5735	1,114,557	7060	1,120,350	7142
1,098,797	5110	1,106,991	5754	1,114,598	7149		
1,098,992	5186	1,107,307	6100	1,115,413	7665		

## ABBREVIATIONS

Certain abbreviations in everyday use are not included in the following list. When any doubt might arise from the use of an abbreviation or symbol the word is printed in full.

alternating current . . .	a.c.	minute (time) . . .	min.
ampere . . .	amp.	molar (concentration) . . .	M
Ångström unit . . .	Å	molecul-e, -ar . . .	mol.
aqueous . . .	aq.	nanogram . . .	ng
centimetre . . .	cm	nanometre (not millimicron) . . .	nm (not mμ)
Colour Index (2nd Edition) . . .	C.I.	nicotinamide-adenine . . .	NAD (not DPN)
concentrated . . .	conc.	dinucleotide . . .	NAD (not DPN)
concentration . . .	concn.	nicotinamide-adenine . . .	NADP (not TPN)
current density . . .	c.d.	dinucleotide phosphate . . .	NADP (not TPN)
density, relative . . .	d or wt. per ml	normal (concentration) . . .	N
deoxyribonucleic acid . . .	DNA	nuclear magnetic resonance . . .	NMR
dihydronicotinamide-adenine . . .	NADH <sub>2</sub> (not DPNH)	optical rotation . . .	α
dinucleotide . . .		parts per million . . .	p.p.m.
dilute (as adjective) . . .	dil.	per cent. . .	%
direct current . . .	d.c.	per cent. (vol. in vol.) . . .	% (v/v)
electron volt . . .	eV	per cent. (wt. in vol.) . . .	% (w/v)
ethylenediaminetetra-acetate . . .	EDTA	per cent. (wt. in wt.) . . .	% (w/w)
gas - liquid chromatography . . .	GLC	poly(tetrafluoroethylene) . . .	PTFE
gas - solid chromatography . . .	GSC	potential difference . . .	p.d.
gram . . .	g	precipitate (as a noun) . . .	ppt.
gram-molecule . . .	mole	precipitated . . .	pptd.
half-wave potential . . .	E <sub>1</sub>	precipitating . . .	pptg.
infra-red . . .	i.r.	precipitation . . .	pptn.
insoluble . . .	insol.	refractive index . . .	n <sub>D</sub> <sup>t</sup>
international unit . . .	i.u.	relative band speed . . .	R <sub>B</sub>
ionic strength . . .	I	revolutions per minute . . .	r.p.m.
kilogram . . .	kg	ribonucleic acid . . .	RNA
kilovolt . . .	kV	saponification value . . .	sap. val.
kilowatt . . .	kW	saturated calomel electrode . . .	S.C.E.
maxim-um, -a . . .	max.	second (time) . . .	sec.
microgram . . .	μg (not γ)	soluble . . .	sol.
microlitre . . .	μl	solution . . .	soln.
micrometre (not micron) . . .	μm (not μ)	specific rotation . . .	[α] <sub>D</sub> <sup>t</sup>
micromole . . .	μmole	square centimetre . . .	sq. cm
milliampere . . .	mA	standard temp. and pressure . . .	s.t.p.
millicurie . . .	mC	thin-layer chromatography . . .	TLC
milli-equivalent . . .	milli-equiv.	ultra-violet . . .	u.v.
milligram . . .	mg	unit of pressure (mm Hg) . . .	torr
millilitre . . .	ml	volt . . .	V
millimetre . . .	mm	watt . . .	W
millimolar . . .	mM	weight . . .	wt.
millivolt . . .	mV		

In addition, the following symbols may be used in conjunction with numerical values or in mathematical expressions—

greater than . . .	>	less than . . .	<
is proportional to . . .	∝	of the order of, approximately	≈

Abbreviations of journal titles used in the abstracts are, in general, those of the 'World List of Scientific Periodicals' (4th edn, 1964, Butterworths, London).

The language in which an original paper is written is English unless otherwise specified.

The chemical nomenclature used in the abstracts is that recommended by The Chemical Society ('Handbook for Chemical Society Authors,' The Chemical Society, London, 1961), and may differ from that used in the original articles.

When possible, drugs are specified by their official B.P. or B.P.C. names, or by the Approved Names recommended by the British Pharmacopoeia Commission (8 Bulstrode Street, London, W1M 5FT).

The principal Pharmacopoeias are denoted by B.P., U.S.P. or D.A.B., together with the identifying roman numeral or year.

The names given to enzymes are those recommended by the International Union of Biochemistry ('Enzyme Nomenclature,' Elsevier Publishing Co., London, 1965).

Pesticides are named in accordance with the British Standard 1831 : 1965, 'Recommended Common Names for Pesticides' (British Standards Institution, 2 Park St., London, W1Y 4AA).







